

Solid Tantalum Surface Mount Capacitors TANTAMOUNT[®] Molded Case, CECC Approved


FEATURES

- Terminations: 100 % matte tin, standard, tin/lead available
- Compliant terminations
- Molded case available in four case codes
- Compatible with “High Volume” automatic pick and place equipment
- Optical character recognition qualified
- CECC
30801/005 - 793DX
30801/009 - CTC3
30801/011 - CTC4
30801/801 - 793DE


 Available
RoHS*
 COMPLIANT

Note

* Pb containing terminations are not RoHS compliant, exemptions may apply

PERFORMANCE/ELECTRICAL CHARACTERISTICS
Operating Temperature: - 55 °C to + 125 °C

Capacitance Range: 0.10 µF to 100 µF

Capacitance Tolerance: ± 10 %, ± 20 %

Voltage Rating: 4 V_{DC} to 50 V_{DC}

ORDERING INFORMATION					
793DX TYPE	106 CAPACITANCE	X0 CAPACITANCE TOLERANCE	010 DC VOLTAGE RATING AT + 85 °C	B CASE CODE	2WE3 TERMINATION AND PACKAGING
793DE CTC3 CTC4	This is expressed in picofarads. The first two digits are the significant figures. The third is the number of zeros to follow.	X9 = ± 10 % X0 = ± 20 %	This is expressed in V. To complete the three-digit block, zeros precede the voltage rating. A decimal point is indicated by an “R” (6R3 = 6.3 V).	See Ratings and Case Codes table.	2TE3: Matte tin, 7" (178 mm) reel 2WE3: Matte tin, 13" (330 mm) reel 8T: Tin/lead, 7" (178 mm) reel 8W: Tin/lead, 13" (330 mm) reel

Note

- We reserve the right to supply higher voltage ratings and tighter capacitance tolerance capacitors in the same case size. Voltage substitutions will be marked with the higher voltage rating. Effective July 15, 2008, part numbers with solderable termination codes “2T” and “2W” may have either matte tin or tin/lead terminations. Codes 2TE3 and 2WE3 specify only matte tin terminations. Codes 8T and 8W specify only tin/lead terminations.

DIMENSIONS in inches [millimeters]							
CASE CODE	EIA SIZE	L	W	H	P	T _W	T _H (MIN.)
A	3216-18	0.126 ± 0.008 [3.2 ± 0.20]	0.063 ± 0.008 [1.6 ± 0.20]	0.063 ± 0.008 [1.6 ± 0.20]	0.031 ± 0.012 [0.80 ± 0.30]	0.047 ± 0.004 [1.2 ± 0.10]	0.028 [0.70]
B	3528-21	0.138 ± 0.008 [3.5 ± 0.20]	0.110 ± 0.008 [2.8 ± 0.20]	0.075 ± 0.008 [1.9 ± 0.20]	0.031 ± 0.012 [0.80 ± 0.30]	0.087 ± 0.004 [2.2 ± 0.10]	0.028 [0.70]
C	6032-28	0.236 ± 0.012 [6.0 ± 0.30]	0.126 ± 0.012 [3.2 ± 0.30]	0.098 ± 0.012 [2.5 ± 0.30]	0.051 ± 0.012 [1.3 ± 0.30]	0.087 ± 0.004 [2.2 ± 0.10]	0.039 [1.0]
D	7343-31	0.287 ± 0.012 [7.3 ± 0.30]	0.170 ± 0.012 [4.3 ± 0.30]	0.110 ± 0.012 [2.8 ± 0.30]	0.051 ± 0.012 [1.3 ± 0.30]	0.095 ± 0.004 [2.4 ± 0.10]	0.039 [1.0]

RATINGS AND CASE CODES								
C _R (μF)	RATED VOLTAGE U _R (V) (+ 85 °C)							
	4 V	6.3 V	10 V	16 V	20 V	25 V	35 V	50 V
	CATEGORY VOLTAGE U _C (V) (+ 125 °C)							
	2.7 V	4 V	7 V	10 V	13 V	17 V	23 V	33 V
0.10							A	A
0.15							A	B
0.22							A	B
0.33							A	B
0.47						A	B	B
0.68					A	A ⁽¹⁾	B	C
1.0				A	A ⁽¹⁾		B	C
1.5			A	A ⁽¹⁾		B	C	D
2.2		A	A ⁽¹⁾		B	B ⁽¹⁾	C	D
3.3	A	A ⁽¹⁾		B	B ⁽¹⁾		C	D
4.7	A ⁽¹⁾		B	B ⁽¹⁾		C	D	D
6.8		B	B ⁽¹⁾		C		D	
10	B	B ⁽¹⁾		C		D	D	
15	B ⁽¹⁾		C		D	D		
22		C		D	D			
33	C		D	D				
47		D	D					
68	D	D						
100	D							

Note

(1) Available as 793DE part numbers only

MARKING																						
<p>A case</p>	<table border="1"> <thead> <tr> <th colspan="2">"A" CASE VOLTAGE CODE</th> </tr> <tr> <th>VOLTS</th> <th>CODE</th> </tr> </thead> <tbody> <tr><td>4.0</td><td>G</td></tr> <tr><td>6.3</td><td>J</td></tr> <tr><td>10</td><td>A</td></tr> <tr><td>16</td><td>C</td></tr> <tr><td>20</td><td>D</td></tr> <tr><td>25</td><td>E</td></tr> <tr><td>35</td><td>V</td></tr> <tr><td>50</td><td>T</td></tr> </tbody> </table>	"A" CASE VOLTAGE CODE		VOLTS	CODE	4.0	G	6.3	J	10	A	16	C	20	D	25	E	35	V	50	T	<p>B, C, D case</p>
	"A" CASE VOLTAGE CODE																					
VOLTS	CODE																					
4.0	G																					
6.3	J																					
10	A																					
16	C																					
20	D																					
25	E																					
35	V																					
50	T																					

Marking:

Capacitor marking includes an anode (+) polarity band, capacitance in microfarads and the voltage rating. "A" case size capacitors use a letter code for the voltage and EIA capacitance code.

The Vishay Sprague® trademark is shown if space permits. Capacitors rated at 6.3 V shall be marked 6 V.

A manufacturing date code is marked on all capacitors.

Call the factory for further explanation.



STANDARD RATINGS							
CAPACITANCE (μF)	CASE CODE	PART NUMBER	MAX. DC LEAKAGE AT + 25 °C (μA)	MAX. DF AT + 25 °C (%)	MAX. ESR AT + 25 °C 100 kHz (Ω)	IMPEDANCE (Z) AT + 25 °C 100 kHz (Ω)	MAX. RIPPLE 100 kHz I _{RMS} (A)
4 V_{DC} AT + 85 °C; 2.7 V_{DC} AT + 125 °C							
3.3	A	793DX335(1)004A(2)	0.5	6	7.6	9.0	0.10
3.3	A	793DE335(1)004A(2)	0.5	6	7.6	9.0	0.10
3.3	A	CTC3335(1)004A(2)	0.5	6	7.6	9.0	0.10
3.3	A	CTC4335(1)004A(2)	0.5	6	7.6	9.0	0.10
4.7	A	793DE475(1)004A(2)	0.5	6	6.3	8.0	0.11
10	B	793DX106(1)004B(2)	0.5	6	3.5	4.5	0.12
10	B	793DE106(1)004B(2)	0.5	6	3.5	4.5	0.12
10	B	CTC3106(1)004B(2)	0.5	6	3.5	4.5	0.12
10	B	CTC4106(1)004B(2)	0.5	6	3.5	4.5	0.12
15	B	793DE156(1)004B(2)	0.6	6	2.9	3.8	0.17
33	C	793DX336(1)004C(2)	1.3	6	1.8	2.4	0.25
33	C	793DE336(1)004C(2)	1.3	6	1.8	2.4	0.25
33	C	CTC3336(1)004C(2)	1.3	6	1.8	2.4	0.25
33	C	CTC4336(1)004C(2)	1.3	6	1.8	2.4	0.25
68	D	793DX686(1)004D(2)	2.7	6	0.8	1.3	0.43
68	D	793DE686(1)004D(2)	2.7	6	0.8	1.3	0.43
68	D	CTC3686(1)004D(2)	2.7	6	0.8	1.3	0.43
68	D	CTC4686(1)004D(2)	2.7	6	0.8	1.3	0.43
100	D	793DX107(1)004D(2)	4.0	6	0.7	1.0	0.46
100	D	793DE107(1)004D(2)	4.0	6	0.7	1.0	0.46
100	D	CTC3107(1)004D(2)	4.0	6	0.7	1.0	0.46
100	D	CTC4107(1)004D(2)	4.0	6	0.7	1.0	0.46
6.3 V_{DC} AT + 85 °C; 4 V_{DC} AT + 125 °C							
2.2	A	793DX225(1)6R3A(2)	0.5	6	7.6	10.0	0.10
2.2	A	793DE225(1)6R3A(2)	0.5	6	7.6	10.0	0.10
2.2	A	CTC3225(1)6R3A(2)	0.5	6	7.6	10.0	0.10
2.2	A	CTC4225(1)6R3A(2)	0.5	6	7.6	10.0	0.10
3.3	A	793DE335(1)6R3A(2)	0.5	6	6.3	8.0	0.11
6.8	B	793DX685(1)6R3B(2)	0.5	6	3.4	4.5	0.16
6.8	B	793DE685(1)6R3B(2)	0.5	6	3.4	4.5	0.16
6.8	B	CTC3685(1)6R3B(2)	0.5	6	3.4	4.5	0.16
6.8	B	CTC4685(1)6R3B(2)	0.5	6	3.4	4.5	0.16
10	B	793DE106(1)6R3B(2)	0.6	6	2.9	3.8	0.17
22	C	793DX226(1)6R3C(2)	1.3	6	1.8	2.4	0.25
22	C	793DE226(1)6R3C(2)	1.3	6	1.8	2.4	0.25
22	C	CTC3226(1)6R3C(2)	1.3	6	1.8	2.4	0.25
22	C	CTC4226(1)6R3C(2)	1.3	6	1.8	2.4	0.25
47	D	793DX476(1)6R3D(2)	2.8	6	0.8	1.3	0.43
47	D	793DE476(1)6R3D(2)	2.8	6	0.8	1.3	0.43
47	D	CTC3476(1)6R3D(2)	2.8	6	0.8	1.3	0.43
47	D	CTC4476(1)6R3D(2)	2.8	6	0.8	1.3	0.43
68	D	793DX686(1)6R3D(2)	4.1	6	0.7	1.0	0.46
68	D	793DE686(1)6R3D(2)	4.1	6	0.7	1.0	0.46
68	D	CTC3686(1)6R3D(2)	4.1	6	0.7	1.0	0.46
68	D	CTC4686(1)6R3D(2)	4.1	6	0.7	1.0	0.46

Note

- Part number definitions:
 - (1) Tolerance: X0, X9
 - (2) Terminations and packaging: 2TE3, 2WE3, 8T, 8W



STANDARD RATINGS							
CAPACITANCE (μF)	CASE CODE	PART NUMBER	MAX. DC LEAKAGE AT + 25 °C (μA)	MAX. DF AT + 25 °C (%)	MAX. ESR AT + 25 °C 100 kHz (Ω)	IMPEDANCE (Z) AT + 25 °C 100 kHz (Ω)	MAX. RIPPLE 100 kHz I _{RMS} (A)
10 V_{DC} AT + 85 °C; 7 V_{DC} AT + 125 °C							
1.5	A	793DX155(1)010A(2)	0.5	6	8.0	10.5	0.10
1.5	A	793DE155(1)010A(2)	0.5	6	8.0	10.5	0.10
1.5	A	CTC3155(1)010A(2)	0.5	6	8.0	10.5	0.10
1.5	A	CTC4155(1)010A(2)	0.5	6	8.0	10.5	0.10
2.2	A	793DE225(1)010A(2)	0.5	6	6.3	8.0	0.11
4.7	B	793DX475(1)010B(2)	0.5	6	3.4	4.5	0.16
4.7	B	793DE475(1)010B(2)	0.5	6	3.4	4.5	0.16
4.7	B	CTC3475(1)010B(2)	0.5	6	3.4	4.5	0.16
4.7	B	CTC4475(1)010B(2)	0.5	6	3.4	4.5	0.16
6.8	B	793DE685(1)010B(2)	0.7	6	2.9	3.8	0.17
15	C	793DX156(1)010C(2)	1.5	6	1.8	2.5	0.25
15	C	793DE156(1)010C(2)	1.5	6	1.8	2.5	0.25
15	C	CTC3156(1)010C(2)	1.5	6	1.8	2.5	0.25
15	C	CTC4156(1)010C(2)	1.5	6	1.8	2.5	0.25
33	D	793DX336(1)010D(2)	3.3	6	0.8	1.3	0.43
33	D	793DE336(1)010D(2)	3.3	6	0.8	1.3	0.43
33	D	CTC3336(1)010D(2)	3.3	6	0.8	1.3	0.43
33	D	CTC4336(1)010D(2)	3.3	6	0.8	1.3	0.43
47	D	793DX476(1)010D(2)	4.7	6	0.7	1.0	0.46
47	D	793DE476(1)010D(2)	4.7	6	0.7	1.0	0.46
47	D	CTC3476(1)010D(2)	4.7	6	0.7	1.0	0.46
47	D	CTC4476(1)010D(2)	4.7	6	0.7	1.0	0.46
16 V_{DC} AT + 85 °C; 10 V_{DC} AT + 125 °C							
1.0	A	793DX105(1)016A(2)	0.5	4	9.3	11.0	0.09
1.0	A	793DE105(1)016A(2)	0.5	4	9.3	11.0	0.09
1.0	A	CTC3105(1)016A(2)	0.5	4	9.3	11.0	0.09
1.0	A	CTC4105(1)016A(2)	0.5	4	9.3	11.0	0.09
1.5	A	793DE155(1)016A(2)	0.5	6	6.7	9.0	0.11
3.3	B	793DX335(1)016B(2)	0.5	6	3.5	5.0	0.16
3.3	B	793DE335(1)016B(2)	0.5	6	3.5	5.0	0.16
3.3	B	CTC3335(1)016B(2)	0.5	6	3.5	5.0	0.16
3.3	B	CTC4335(1)016B(2)	0.5	6	3.5	5.0	0.16
4.7	B	793DE475(1)016B(2)	0.8	6	2.9	4.0	0.17
10	C	793DX106(1)016C(2)	1.6	6	1.8	2.5	0.25
10	C	793DE106(1)016C(2)	1.6	6	1.8	2.5	0.25
10	C	CTC3106(1)016C(2)	1.6	6	1.8	2.5	0.25
10	C	CTC4106(1)016C(2)	1.6	6	1.8	2.5	0.25
22	D	793DX226(1)016D(2)	3.5	6	0.8	1.5	0.43
22	D	793DE226(1)016D(2)	3.5	6	0.8	1.5	0.43
22	D	CTC3226(1)016D(2)	3.5	6	0.8	1.5	0.43
22	D	CTC4226(1)016D(2)	3.5	6	0.8	1.5	0.43
33	D	793DX336(1)016D(2)	5.3	6	0.7	1.2	0.46
33	D	793DE336(1)016D(2)	5.3	6	0.7	1.2	0.46
33	D	CTC3336(1)016D(2)	5.3	6	0.7	1.2	0.46
33	D	CTC4336(1)016D(2)	5.3	6	0.7	1.2	0.46

Note

- Part number definitions:
 - (1) Tolerance: X0, X9
 - (2) Terminations and packaging: 2TE3, 2WE3, 8T, 8W



STANDARD RATINGS							
CAPACITANCE (μ F)	CASE CODE	PART NUMBER	MAX. DC LEAKAGE AT + 25 °C (μ A)	MAX. DF AT + 25 °C (%)	MAX. ESR AT + 25 °C 100 kHz (Ω)	IMPEDANCE (Z) AT + 25 °C 100 kHz (Ω)	MAX. RIPPLE 100 kHz I_{RMS} (A)
20 V_{DC} AT + 85 °C; 13 V_{DC} AT + 125 °C							
0.68	A	793DX684(1)020A(2)	0.5	4	10	13.0	0.09
0.68	A	793DE684(1)020A(2)	0.5	4	10	13.0	0.09
0.68	A	CTC3684(1)020A(2)	0.5	4	10	13.0	0.09
0.68	A	CTC4684(1)020A(2)	0.5	4	10	13.0	0.09
1.0	A	793DE105(1)020A(2)	0.5	4	8.4	11.0	0.09
2.2	B	793DX225(1)020B(2)	0.5	6	3.5	6.0	0.16
2.2	B	793DE225(1)020B(2)	0.5	6	3.5	6.0	0.16
2.2	B	CTC3225(1)020B(2)	0.5	6	3.5	6.0	0.16
2.2	B	CTC4225(1)020B(2)	0.5	6	3.5	6.0	0.16
3.3	B	793DE335(1)020B(2)	0.7	6	3.0	4.5	0.17
6.8	C	793DX685(1)020C(2)	1.4	6	1.9	2.5	0.24
6.8	C	793DE685(1)020C(2)	1.4	6	1.9	2.5	0.24
6.8	C	CTC3685(1)020C(2)	1.4	6	1.9	2.5	0.24
6.8	C	CTC4685(1)020C(2)	1.4	6	1.9	2.5	0.24
15	D	793DX156(1)020D(2)	3.0	6	0.9	1.5	0.41
15	D	793DE156(1)020D(2)	3.0	6	0.9	1.5	0.41
15	D	CTC3156(1)020D(2)	3.0	6	0.9	1.5	0.41
15	D	CTC4156(1)020D(2)	3.0	6	0.9	1.5	0.41
22	D	793DX226(1)020D(2)	4.4	6	0.7	1.2	0.46
22	D	793DE226(1)020D(2)	4.4	6	0.7	1.2	0.46
22	D	CTC3226(1)020D(2)	4.4	6	0.7	1.2	0.46
22	D	CTC4226(1)020D(2)	4.4	6	0.7	1.2	0.46
25 V_{DC} AT + 85 °C; 16 V_{DC} AT + 125 °C							
0.47	A	793DX474(1)025A(2)	0.5	4	12	14.0	0.08
0.47	A	793DE474(1)025A(2)	0.5	4	12	14.0	0.08
0.47	A	CTC3474(1)025A(2)	0.5	4	12	14.0	0.08
0.47	A	CTC4474(1)025A(2)	0.5	4	12	14.0	0.08
0.68	A	793DE474(1)025A(2)	0.5	4	8.4	11.0	0.09
1.5	B	793DX155(1)025A(2)	0.5	6	4.6	7.0	0.14
1.5	B	793DX155(1)025A(2)	0.5	6	4.6	7.0	0.14
1.5	B	CTC3155(1)025A(2)	0.5	6	4.6	7.0	0.14
1.5	B	CTC4155(1)025A(2)	0.5	6	4.6	7.0	0.14
2.2	B	793DE225(1)025B(2)	0.6	6	3.8	5.0	0.15
4.7	C	793DX475(1)025C(2)	1.2	6	2.0	2.8	0.24
4.7	C	793DE475(1)025C(2)	1.2	6	2.0	2.8	0.24
4.7	C	CTC3475(1)025C(2)	1.2	6	2.0	2.8	0.24
4.7	C	CTC4475(1)025C(2)	1.2	6	2.0	2.8	0.24
10	D	793DX106(1)025D(2)	2.5	6	1.0	1.5	0.39
10	D	793DE106(1)025D(2)	2.5	6	1.0	1.5	0.39
10	D	CTC3106(1)025D(2)	2.5	6	1.0	1.5	0.39
10	D	CTC4106(1)025D(2)	2.5	6	1.0	1.5	0.39
15	D	793DX156(1)025D(2)	3.8	6	0.8	1.2	0.43
15	D	793DE156(1)025D(2)	3.8	6	0.8	1.2	0.43
15	D	CTC3156(1)025D(2)	3.8	6	0.8	1.2	0.43
15	D	CTC4156(1)025D(2)	3.8	6	0.8	1.2	0.43

Note

- Part number definitions:
 - Tolerance: X0, X9
 - Terminations and packaging: 2TE3, 2WE3, 8T, 8W



STANDARD RATINGS							
CAPACITANCE (μ F)	CASE CODE	PART NUMBER	MAX. DC LEAKAGE AT + 25 °C (μ A)	MAX. DF AT + 25 °C (%)	MAX. ESR AT + 25 °C 100 kHz (Ω)	IMPEDANCE (Z) AT + 25 °C 100 kHz (Ω)	MAX. RIPPLE 100 kHz I_{RMS} (A)
35 V _{DC} AT + 85 °C; 23 V _{DC} AT + 125 °C							
0.10	A	793DX104(1)035A(2)	0.5	4	20	28.0	0.06
0.10	A	793DE104(1)035A(2)	0.5	4	20	28.0	0.06
0.10	A	CTC3104(1)035A(2)	0.5	4	20	28.0	0.06
0.10	A	CTC4104(1)035A(2)	0.5	4	20	28.0	0.06
0.15	A	793DX154(1)035A(2)	0.5	4	18	23.0	0.07
0.15	A	793DE154(1)035A(2)	0.5	4	18	23.0	0.07
0.15	A	CTC3154(1)035A(2)	0.5	4	18	23.0	0.07
0.15	A	CTC4154(1)035A(2)	0.5	4	18	23.0	0.07
0.22	A	793DX224(1)035A(2)	0.5	4	15	19.0	0.07
0.22	A	793DE224(1)035A(2)	0.5	4	15	19.0	0.07
0.22	A	CTC3224(1)035A(2)	0.5	4	15	19.0	0.07
0.22	A	CTC4224(1)035A(2)	0.5	4	15	19.0	0.07
0.33	A	793DX334(1)035A(2)	0.5	4	13	15.0	0.08
0.33	A	793DE334(1)035A(2)	0.5	4	13	15.0	0.08
0.33	A	CTC3334(1)035A(2)	0.5	4	13	15.0	0.08
0.33	A	CTC4334(1)035A(2)	0.5	4	13	15.0	0.08
0.47	B	793DX474(1)035B(2)	0.5	4	10	11.0	0.09
0.47	B	793DE474(1)035B(2)	0.5	4	10	11.0	0.09
0.47	B	CTC3474(1)035B(2)	0.5	4	10	11.0	0.09
0.47	B	CTC4474(1)035B(2)	0.5	4	10	11.0	0.09
0.68	B	793DX684(1)035B(2)	0.5	4	6.5	8.0	0.11
0.68	B	793DE684(1)035B(2)	0.5	4	6.5	8.0	0.11
0.68	B	CTC3684(1)035B(2)	0.5	4	6.5	8.0	0.11
0.68	B	CTC4684(1)035B(2)	0.5	4	6.5	8.0	0.11
1.0	B	793DX105(1)035B(2)	0.5	4	5.0	7.0	0.13
1.0	B	793DE105(1)035B(2)	0.5	4	5.0	7.0	0.13
1.0	B	CTC3105(1)035B(2)	0.5	4	5.0	7.0	0.13
1.0	B	CTC4105(1)035B(2)	0.5	4	5.0	7.0	0.13
1.5	C	793DX155(1)035C(2)	0.5	6	3.8	6.0	0.17
1.5	C	793DE155(1)035C(2)	0.5	6	3.8	6.0	0.17
1.5	C	CTC3155(1)035C(2)	0.5	6	3.8	6.0	0.17
1.5	C	CTC4155(1)035C(2)	0.5	6	3.8	6.0	0.17
2.2	C	793DX225(1)035C(2)	0.8	6	2.9	4.0	0.20
2.2	C	793DE225(1)035C(2)	0.8	6	2.9	4.0	0.20
2.2	C	CTC3225(1)035C(2)	0.8	6	2.9	4.0	0.20
2.2	C	CTC4225(1)035C(2)	0.8	6	2.9	4.0	0.20
3.3	C	793DX335(1)035C(2)	1.2	6	2.1	3.0	0.23
3.3	C	793DE335(1)035C(2)	1.2	6	2.1	3.0	0.23
3.3	C	CTC3335(1)035C(2)	1.2	6	2.1	3.0	0.23
3.3	C	CTC4335(1)035C(2)	1.2	6	2.1	3.0	0.23
4.7	D	793DX475(1)035D(2)	1.6	6	1.3	1.8	0.34
4.7	D	793DE475(1)035D(2)	1.6	6	1.3	1.8	0.34
4.7	D	CTC3475(1)035D(2)	1.6	6	1.3	1.8	0.34
4.7	D	CTC4475(1)035D(2)	1.6	6	1.3	1.8	0.34
6.8	D	793DX685(1)0035D(2)	2.4	6	1.1	1.5	0.37
6.8	D	793DE685(1)0035D(2)	2.4	6	1.1	1.5	0.37
6.8	D	CTC3685(1)0035D(2)	2.4	6	1.1	1.5	0.37
6.8	D	CTC4685(1)0035D(2)	2.4	6	1.1	1.5	0.37
10	D	793DX106(1)035D(2)	3.5	6	0.8	1.2	0.43
10	D	793DE106(1)035D(2)	3.5	6	0.8	1.2	0.43
10	D	CTC3106(1)035D(2)	3.5	6	0.8	1.2	0.43
10	D	CTC4106(1)035D(2)	3.5	6	0.8	1.2	0.43

Note

- Part number definitions:
 - (1) Tolerance: X0, X9
 - (2) Terminations and packaging: 2TE3, 2WE3, 8T, 8W



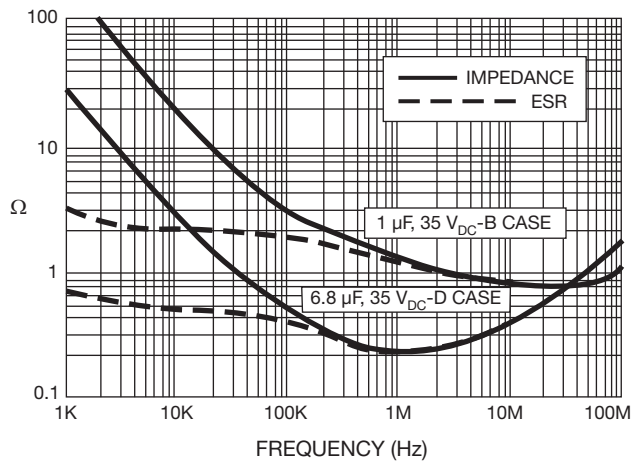
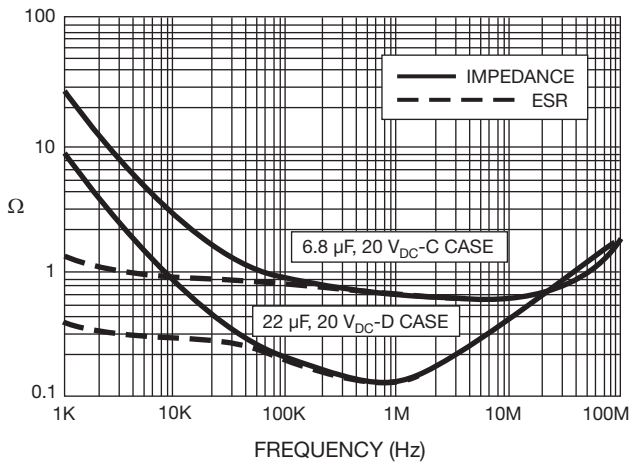
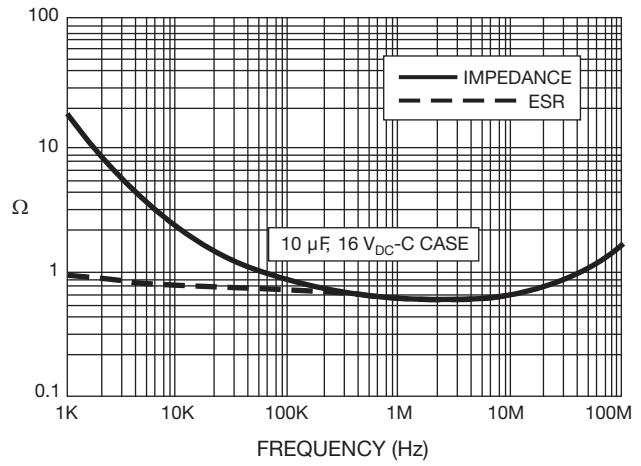
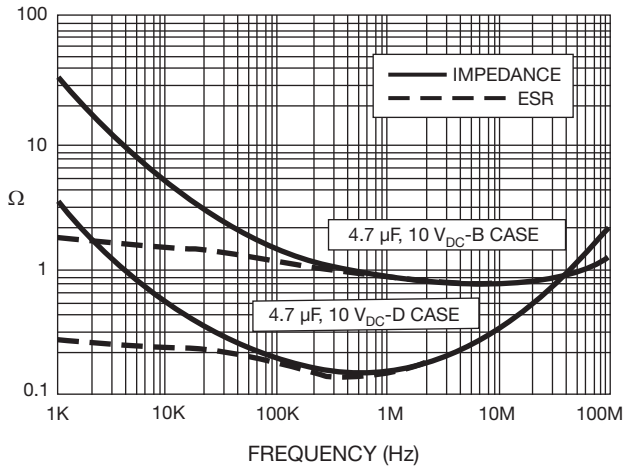
STANDARD RATINGS							
CAPACITANCE (μ F)	CASE CODE	PART NUMBER	MAX. DC LEAKAGE AT + 25 °C (μ A)	MAX. DF AT + 25 °C (%)	MAX. ESR AT + 25 °C 100 kHz (Ω)	IMPEDANCE (Z) AT + 25 °C 100 kHz (Ω)	MAX. RIPPLE 100 kHz I_{RMS} (A)
50 V _{DC} AT + 85 °C; 33 V _{DC} AT + 125 °C							
0.10	A	793DX104(1)050A(2)	0.5	4	19	27.0	0.06
0.10	A	793DE104(1)050A(2)	0.5	4	19	27.0	0.06
0.10	A	CTC3104(1)050A(2)	0.5	4	19	27.0	0.06
0.10	A	CTC4104(1)050A(2)	0.5	4	19	27.0	0.06
0.15	B	793DX154(1)050B(2)	0.5	4	14	22.0	0.08
0.15	B	793DE154(1)050B(2)	0.5	4	14	22.0	0.08
0.15	B	CTC3154(1)050B(2)	0.5	4	14	22.0	0.08
0.15	B	CTC4154(1)050B(2)	0.5	4	14	22.0	0.08
0.22	B	793DX224(1)0050B(2)	0.5	4	12	18.0	0.08
0.22	B	793DE224(1)0050B(2)	0.5	4	12	18.0	0.08
0.22	B	CTC3224(1)0050B(2)	0.5	4	12	18.0	0.08
0.22	B	CTC4224(1)0050B(2)	0.5	4	12	18.0	0.08
0.33	B	793DX334(1)050B(2)	0.5	4	10	14.0	0.09
0.33	B	793DE334(1)050B(2)	0.5	4	10	14.0	0.09
0.33	B	CTC3334(1)050B(2)	0.5	4	10	14.0	0.09
0.33	B	CTC4334(1)050B(2)	0.5	4	10	14.0	0.09
0.47	C	793DX474(1)050C(2)	0.5	4	6.7	9.0	0.13
0.47	C	793DE474(1)050C(2)	0.5	4	6.7	9.0	0.13
0.47	C	CTC3474(1)050C(2)	0.5	4	6.7	9.0	0.13
0.47	C	CTC4474(1)050C(2)	0.5	4	6.7	9.0	0.13
0.68	C	793DX684(1)050C(2)	0.5	4	5.9	7.0	0.14
0.68	C	793DE684(1)050C(2)	0.5	4	5.9	7.0	0.14
0.68	C	CTC3684(1)050C(2)	0.5	4	5.9	7.0	0.14
0.68	C	CTC4684(1)050C(2)	0.5	4	5.9	7.0	0.14
1.0	C	793DX105(1)050C(2)	0.5	4	4.6	6.0	0.16
1.0	C	793DE105(1)050C(2)	0.5	4	4.6	6.0	0.16
1.0	C	CTC3105(1)050C(2)	0.5	4	4.6	6.0	0.16
1.0	C	CTC4105(1)050C(2)	0.5	4	4.6	6.0	0.16
1.5	D	793DX155(1)050D(2)	0.8	6	2.9	5.0	0.25
1.5	D	793DE155(1)050D(2)	0.8	6	2.9	5.0	0.25
1.5	D	CTC3155(1)050D(2)	0.8	6	2.9	5.0	0.25
1.5	D	CTC4155(1)050D(2)	0.8	6	2.9	5.0	0.25
2.2	D	793DX225(1)050D(2)	1.1	6	2.1	3.5	0.27
2.2	D	793DE225(1)050D(2)	1.1	6	2.1	3.5	0.27
2.2	D	CTC3225(1)050D(2)	1.1	6	2.1	3.5	0.27
2.2	D	CTC4225(1)050D(2)	1.1	6	2.1	3.5	0.27
3.3	D	793DX335(1)0050D(2)	1.7	6	1.7	2.0	0.30
3.3	D	793DE335(1)0050D(2)	1.7	6	1.7	2.0	0.30
3.3	D	CTC3335(1)0050D(2)	1.7	6	1.7	2.0	0.30
3.3	D	CTC4335(1)0050D(2)	1.7	6	1.7	2.0	0.30
4.7	D	793DX475(1)050D(2)	2.4	6	1.2	1.5	0.37
4.7	D	793DE475(1)050D(2)	2.4	6	1.2	1.5	0.37
4.7	D	CTC3475(1)050D(2)	2.4	6	1.2	1.5	0.37
4.7	D	CTC4475(1)050D(2)	2.4	6	1.2	1.5	0.37

Note

- Part number definitions:
 - (1) Tolerance: X0, X9
 - (2) Terminations and packaging: 2TE3, 2WE3, 8T, 8W



TYPICAL CURVES AT + 25 °C, IMPEDANCE AND ESR VS. FREQUENCY





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